



# All Experimenter's Meeting

## NuMI Target Situation/Status

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### **Update on the NuMI Target (Monday April 11, 2005):**

- 1) Last Monday the decision was made to pull the target module. This includes the target, upstream baffle, target/baffle carrier, and the support structure.**
- 2) The shield door to the target hall was opened.**
- 3) 25 “R” blocks were removed from the top of the target pile.**
- 4) Additional shield blocks necessary to complete storage vaults for “Steel ‘T’” blocks and other shielding were brought into the target hall and the vaults were assembled.**
- 5) Shielding around the Target module was removed and stored.**



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- 6) A preliminary radiation survey was made while the target module was still in the target pile but after the shielding was removed. The levels were low to moderate, but it was not possible to separate the contributions from the target module and the surrounding steel in the pile.**
- 7) In parallel with all the above work the work cell was prepared to receive the module.**
- 8) On Friday the module was pulled and transported to the work cell. A map of the activation of the module components was made. Away from the target “snout” the activation was generally reported to be near 100 mr at a foot. A final mapping report is expected.**
- 9) Preparations were completed for an optical survey of the “snout” to determine if the weight of the water had bent it.**



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- 10) The survey of the “snout” position was completed Saturday. The snout horizontal position was essentially unchanged, but vertically the snout tip may have been bent down about 1mm.**
- 11) A work list for this week was prepared including estimates for the radiation exposure to staff for each step. The major tasks for today included the removal of the upstream target baffle from the carrier, and the removal of the upstream beryllium window for access into the can region.**
- 12) Later this week the tasks include the remote inspection of the target, an evaluation of the leak if possible, and pumping out the remaining water.**
- 13) If the inspection confirms that a “stop-leak” repair is possible, then a requisition processed last week will be activated for work by the English company that has developed the process.**



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**14) Other parallel efforts: construction of the second target, consideration of an alternate temporary target, containing the leak by over pressurization – all continued last week.**

**15) The ordering of additional spare target materials for the existing design began.**

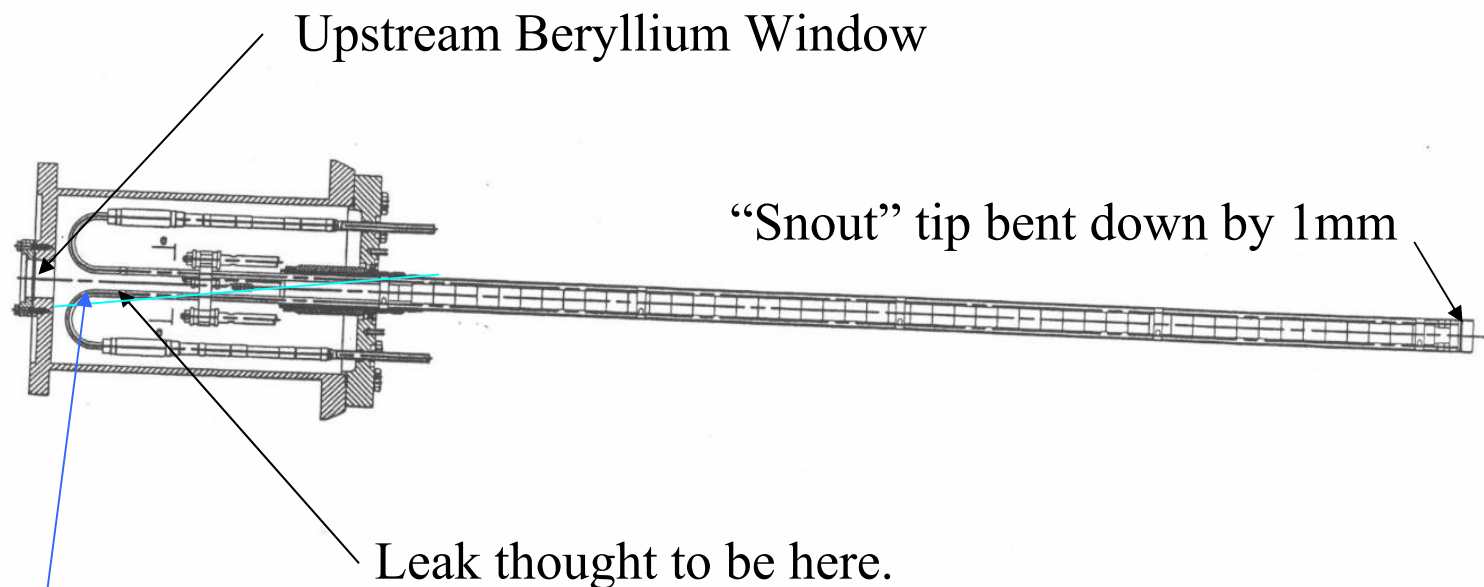


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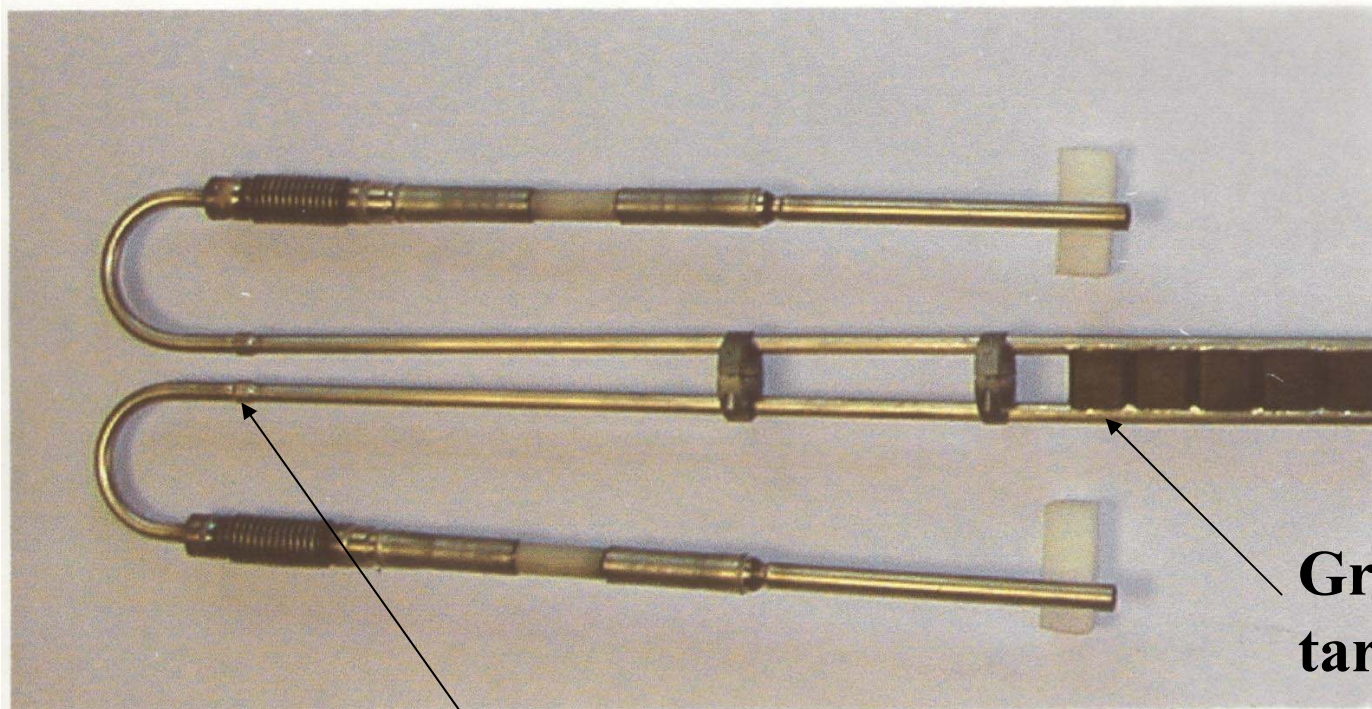
### THE NuMI TARGET



Water level here when viewed with optical probe.

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## The NuMI Target



**Graphite  
target tiles**

**Leak thought to be here**

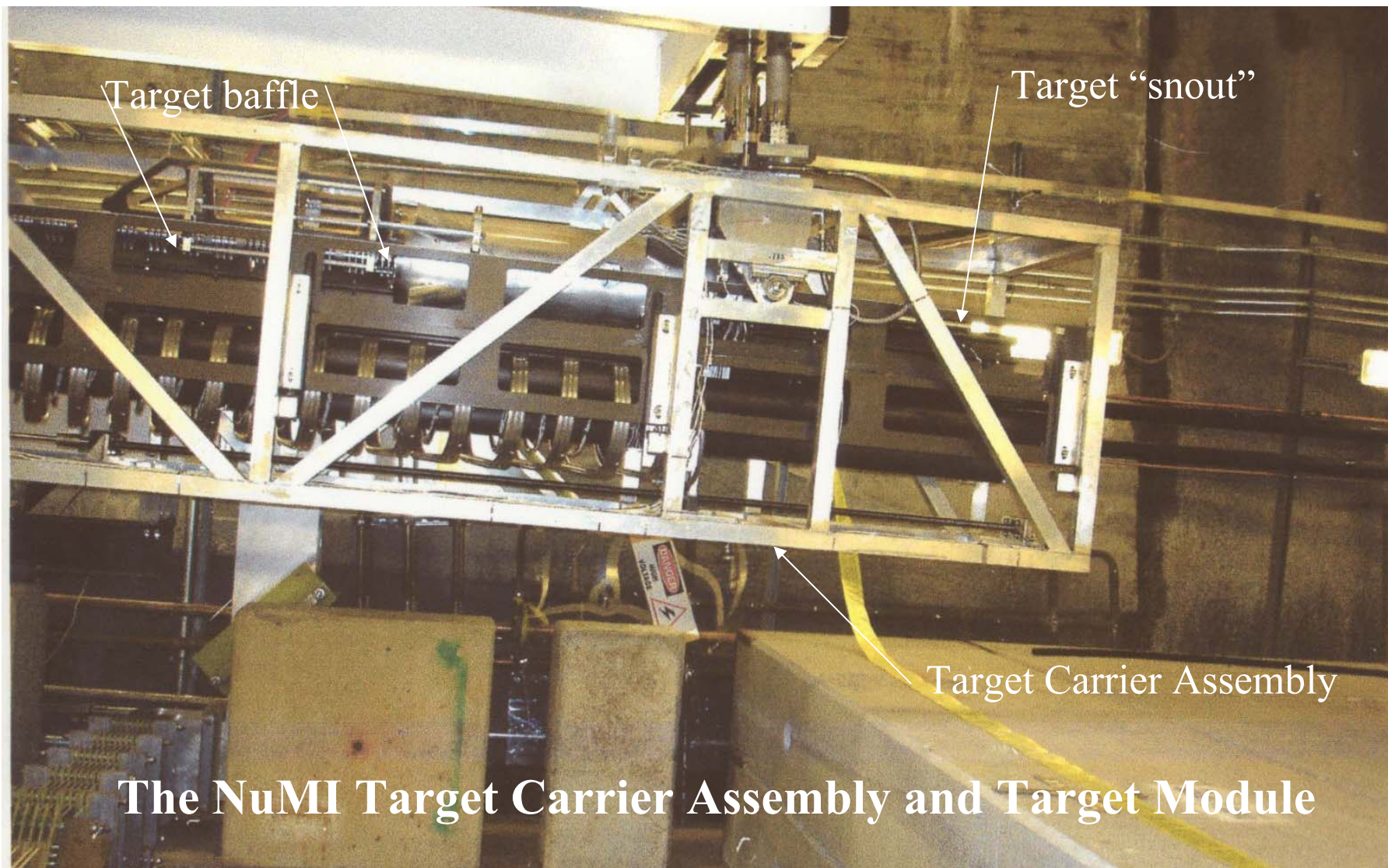




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**The NuMI Target Carrier Assembly and Target Module**